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Title: Dirt-collection system of cleaner

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Applicant(s) Name Hug Co., Ltd.

Address

Inventor(s) Name G.A. Bilyke S.W. Brat N.M. Bolte

Patent Agency Code 11245 Patent Agent sha cha

Abstract

A dirt collecting system for a vacuum cleaner includes a dirt cup formed with a first dirt collecting chamber and a second dirt collecting chamber separated by an apertured wall. An inlet opening is formed in the dirt cup and communicates with the first dirt collecting chamber for inputting a stream of dirt laden air into the first dirt collecting chamber. An exhaust opening is formed in the second dirt collecting chamber for allowing the filtered air stream to exit the dirt cup. The aperture wall includes a pre-filter for filtering coarse particles from a stream of dirt laden and depositing the coarse particles in the first dirt collecting chamber. A filter member is positioned within the second dirt collecting chamber and communicates with the exhaust port. The filter element filters fine particles from the air stream and deposits the fine particles within the second dirt collecting chamber. The filter member is supported by a filter support which extends from the aperture wall to vertically support the

filter member within the second dirt collecting chamber. The aperture wall, filter support and filter member are removably mounted within the dirt cup to provide for removal and cleaning thereof. A lid removalby mounts on the dirt cup and encloses the first and second dirt collecting chamber and is held thereon by a latching mechanism.

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